## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

## **Listing of Claims:**

- 1. (original) A liposome comprising:
- (a) a lipid; and
- (b) a condensing agent-nucleic acid complex encapsulated in said liposome.
- 2. (original) A liposome in accordance with claim 1, further comprising:
- (c) a bilayer stabilizing component associated with said liposome.
- 3. (original) A liposome in accordance with claim 2, wherein said bilayer stabilizing component is reversibly associated with said liposome.
- 4. (original) A liposome in accordance with claim 1, wherein said lipid comprises a non-cationic lipid.
- 5. (original) A liposome in accordance with claim 4, wherein said non-cationic lipid is a member selected from the group consisting of phosphatidylethanolamines, phosphatidylserines and mixtures thereof.
- 6. (original) A liposome in accordance with claim 4, wherein said non-cationic lipid is a member selected from the group consisting of cardiolipin, diacylphosphatidic acid, N-succinyl-phosphatydylethanolamine, phosphatidic acid, phosphatidylinositol, phosphatidylglycerol, phosphatidyl ethylene glycol and mixtures thereof.
- 7. (original) A liposome in accordance with claim 5, wherein said non-cationic lipid is a member selected from the group consisting of dioleoylphosphatidylethanolamine, dioleoylphosphatidylserine and mixtures thereof.

- 8. (original) A liposome in accordance with claim 1, wherein said condensing agent is a member selected from the group consisting of polyethylenimine, polylysine, polyarginine, polyornithine, histones, protamines, polyamines, spermidine and spermine.
- 9. (original) A liposome in accordance with claim 8, wherein said condensing agent is polyethylenimine having a molecular weight of about 0.8 kDa to about 800 kDa.
- 10. (original) A liposome in accordance with claim 9, wherein said polyethylenimine has a molecular weight of about 10 kDa to about 50 kDa.
- 11. (original) A liposome in accordance with claim 1, wherein said condensing agent-nucleic acid complex is about 30 nm to about 60 nm in diameter.
- 12. (original) A liposome in accordance with claim 1, wherein said liposome is about 20 nm to about 200 nm in diameter.
- 13. (original) A liposome in accordance with claim 12, wherein said liposome is about 50 nm to about 150 nm in diameter.
- 14. (original) A liposome in accordance with claim 12, wherein said liposome is about 70 nm to about 80 nm in diameter.
- 15. (original) A liposome in accordance with claim 2, wherein said bilayer stabilizing component is a member selected from the group consisting of a lipid, a lipidderivative, a detergent, a polyethylene glycol, a protein, a peptide, a polyamide oligomer, a pH sensitive polymer and a PEG-lipid.
- 16. (original) A liposome in accordance with claim 15, wherein said bilayer stabilizing component is a PEG-lipid.

- 17. (original) A liposome in accordance with claim 16, wherein said lipid of said PEG-lipid stabilizing component is a member selected from the group consisting of ceramides, phosphatidylethanolamines and phosphatidylserines.
- 18. (original) A liposome in accordance with claim 17, wherein said PEG-lipid is a PEG-ceramide.
- 19. (original) A liposome in accordance with claim 18, wherein said PEGceramide has an alkyl chain length of about C6 to about C24.
- 20. (original) A liposome in accordance with claim 19, wherein said PEGceramide has an alkyl chain length of about C14 to about C20.
- 21. (original) A liposome in accordance with claim 16, wherein said PEG is a polyethylene glycol with an average molecular weight of about 550 to about 8500 daltons.
- 22. (original) A liposome in accordance with claim 21, wherein said PEG has an average molecular weight of about 2000 to about 5000 daltons.
- 23. (original) A liposome in accordance with claim 9, wherein said polyethylenimine: nucleic acid ratio in said condensing agent-nucleic acid complex is about 10: 1 wt/wtto about 1.5: 1 wt/wt.
- 24. (original) A liposome in accordance with claim 23, wherein said polyethylenimine: nucleic acid ratio in said condensing agent-nucleic acid complex is about 6: 1 wt/wtto about 1.5: 1 wt/wt.
- 25. (original) A liposome in accordance with claim 23, wherein said polyethylenimine: nucleic acid ratio in said condensing agent-nucleic acid complex is about 4: 1 wt/wt.

- 26. (original) A liposome in accordance with claim 1, wherein said lipid: nucleic acid ratio in said liposome is about 5: 1 wt/wt to about 100: 1 wt/wt.
- 27. (original) A liposome in accordance with claim 26, wherein said lipid: nucleic acid weight ratio in said liposome is about 10: 1 wt/wt to about 50: 1 wt/wt.
- 28. (original) A liposome in accordance with claim 16, wherein said PEG-lipid comprises about 5 to about 15 mol% of the composition of said liposome.
- 29. (original) A liposome in accordance with claim 18, wherein said PEG-ceramide comprises about 5 to about 15 mol% of the composition of said liposome.
- 30. (original) A liposome in accordance with claim 1, wherein said encapsulated condensing agent-nucleic acid complex represents greater than about 30% encapsulation efficiency as determined using picogreen and dextran sulfate.
- 31. (original) A liposome in accordance with claim 1, wherein said encapsulated condensing agent-nucleic acid complex represents greater than about 40% encapsulation efficiency as determined using picogreen and dextran sulfate.
- 32. (original) A method of transfecting a cell with a nucleic acid, said method comprising contacting said cell with a liposome comprising:
  - (a) a lipid; and
  - (b) a condensing agent-nucleic acid complex encapsulated in said liposome.
- 33. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 32, wherein said liposome further comprises:
  - (c) a bilayer stabilizing component associated with said liposome.

- 34. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 33, wherein said bilayer stabilizing component is reversibly associated with said liposome.
- 35. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 32, wherein said lipid comprises a non-cationic lipid.
- 36. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 35, wherein said non-cationic lipid is a member selected from the group consisting of phosphatidylethanolamines, phosphatidylserines and mixtures thereof.
- 37. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 35, wherein said non-cationic lipid is a member selected from the group consisting cardiolipin, diacylphosphatidic acid, N-succinyl-phosphatydylethanolamine, phosphatidic acid, phosphatidylinositol, phosphatidylglycerol, phosphatidyl ethylene glycol and mixtures thereof.
- 38. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 36, wherein said non-cationic lipid is a member selected from the group consisting of dioleoylphosphatidylethanolamine, dioleoylphosphatidylserine and mixtures thereof.
- 39. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 32, wherein said condensing agent is a member selected from the group consisting of polyethylenimine, polylysine, polyarginine, polyornithine, histones, protamines, polyamines, spermidine and spermine.
- 40. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 39, wherein said condensing agent is polyethylenimine having a molecular weight of about 10kDa to about 50 kDa.

- 41. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 32, wherein said condensing agent-nucleic acid complex is about 30 nm to about 60 nm in diameter.
- 42. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 32, wherein said liposome is about 70 nm to about 80 nm in diameter.
- 43. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 33, wherein said bilayer stabilizing component is a member selected from the group consisting of a lipid, a lipid-derivative, a detergent, a polyethylene glycol, a protein, a peptide, a polyamide oligomer, a pH sensitive polymer and a PEG-lipid.
- 44. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 43, wherein said bilayer stabilizing agent is a PEG-lipid.
- 45. (original) A method of transfecting a cell with a nucleic acid in accordance with claim 44, wherein said lipid of said PEG-lipid stabilizing agent is a member selected from the group consisting of ceramides, phosphatidylethanolamines and phosphatidylserines.
- 46. (original) A method of transfecting a nucleic acid into a cell in accordance with claim 45, wherein said bilayer stabilizing agent is a PEG-ceramide.
- 47. (original) A method of transfecting a nucleic acid into a cell in accordance with claim 46, wherein said PEG-ceramide has an alkyl chain length of aboutC6 to aboutC24.
- 48. (original) A method of transfecting a nucleic acid into a cell in accordance with claim 47, wherein said PEG-ceramide has an alkyl chain length of about C14 to about C20.
- 49. (original) A method of transfecting a nucleic acid into a cell in accordance with claim 44, wherein said PEG has an average molecular weight of about 550 to about 8500 daltons.

- 50. (original) A method for transfecting a nucleic acid into a cell in accordance with claim 40, wherein said polyethylenimine: nucleic acid ratio in said polyethyleniminnucleic acid complex is about 10: 1 wt/wtto about 1.5: 1 wt/wt.
- 51. (original) A method of transfecting a nucleic acid into a cell in accordance with claim 50, wherein said polyethylenimine : nucleic acid ratio in said polyethylenimine nucleic acid complex is about 4: 1 wt/wt.
- 52. (original) A method for transfecting a nucleic acid into a cell in accordance with claim 32, wherein said lipid: nucleic acid weight ratio in said liposome is about 10: 1 to about 50: 1.
- 53. (original) A method for transfecting a nucleic acid into a cell in accordance with claim 44, wherein said PEG-lipid comprises about 5 to about 15 mol% of the composition of said liposome.
- 54. (original) A method for transfecting a nucleic acid into a cell in accordance with claim 46, wherein said PEG-ceramide comprises about 5 to about 15 mol% of the composition of said liposome.
- 55. (currently amended) A method for encapsulating a condensing agent-nucleic acid complex in a liposome, said method comprising:
- (a) adding a condensing agent solution into a nucleic acid solution to form a condensing agent-nucleic acid complex; and
- (b) adding said condensing agent-nucleic acid complex to a lipid suspension to form an encapsulated condensing agent-nucleic acid complex.
- 56. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein said condensing agentnucleic acid complex is formed by admixing a first condensing agent to form a precondensed nucleic acid and then adding said precondensed nucleic acid into a second condensing agent solution to form said

condensing agent-nucleic acid complex wherein said first and said second condensing agents are the same or different.

- 57. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein said lipid suspension comprises a non-cationic lipid.
- 58. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein said condensing agent nucleic acid complex is about 30 nm to about 60 nm in diameter.
- 59. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein said lipid suspension comprises a PEG-lipid.
- 60. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 58, wherein said PEG-lipid comprises a PEG-ceramide.
- 61. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 58, wherein said first condensing agent is polyethylenimine.
- 62. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein said lipid: nucleic acid ratio in said liposome is about 10: 1 wt/wt to about 50: 1 wt/wt.
- 63. (original) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 58, wherein said PEG-lipid comprises about 5 to about 15 mol% of the composition of said liposome.

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- 64. (currently amended) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with 59 60, wherein said PEG-ceramide comprises about 5 to about 15 mol% of the composition of said liposome.
- 65. (currently amended) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein step (c) employs a detergent dialysis further comprising detergent dialysis.
- 66. (currently amended) A method for encapsulating a condensing agent-nucleic acid complex in a liposome in accordance with claim 55, wherein step (e) (b) employs an ethanol injection.